

PRINCE OF SONGKLA UNIVERSITY
FACULTY OF ENGINEERING

Final Examination : Semester II

Academic Year : 2006

Date : 21 February 2007

Time : 9.00 - 11.00

Subject : 217-452 Real-time Software

Room : A203

Attempt all questions.

- (1). From the Message Board class assignment, write its requirement specification. (10)

- (2). From the requirement specification in (1),
 - (a) show its functional structured design. (5)
 - (b) detail basic diagram types used in the class assignment. (5)

- (3). In the class assignment, show the use of the following software development tools:
 - (a) debuggers (5)
 - (b) oscilloscopes. (5)

- (4). In the class assignment,
 - (a) explain your software testing principles. (5)
 - (b) detail one sample of your "white box" and "black box" testing. (5)

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